

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	27	381/2.ccls. and (kHz or kilohertz) SAME oscillator	USPAT	OR	OFF	2006/08/28 13:53
L2	10	381/2.ccls. and (kHz or kilohertz) SAME (voltage adj3 controlled adj3 oscillator or VCO)	USPAT	OR	OFF	2006/08/28 13:55
L3	15	381/14-16.ccls. and (kHz or kilohertz) SAME (voltage adj3 controlled adj3 oscillator or VCO)	USPAT	OR	OFF	2006/08/28 13:55
S1	2	381/2.ccls. and transmitter SAME carrier SAME isolation	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/28 13:51
S2	2	381/14.ccls. and transmitter SAME carrier SAME isolation	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/23 15:14
S3	21	381/14.ccls. and transmitter SAME modulation	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/28 16:28
S4	6	381/14.ccls. and transmitter SAME voltage adj3 controll\$3 adj3 oscillator	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/28 16:29
S5	18	381/2-15.ccls. and transmitter SAME voltage adj3 controll\$3 adj3 oscillator	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/28 16:32
S6	11	455/42.ccls. and transmitter SAME voltage adj3 controll\$3 adj3 oscillator	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/23 15:36
S7	33	455/118.ccls. and transmitter SAME voltage adj3 controll\$3 adj3 oscillator	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/28 16:39
S8	4	455/209.ccls. and transmitter SAME voltage adj3 controll\$3 adj3 oscillator	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/28 16:41
S9	1	"20020110253"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/29 10:13
S10	1	"20020067838"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/29 11:07
S11	0	381/104-107.ccls. and (vGA or voltage adj3 gain adj3 amplifier) SAME feedforward	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/29 11:09
S12	1	381/104-107.ccls. and (vGA or voltage adj3 gain adj3 amplifier) SAME transfer adj3 function	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/29 11:09

## EAST Search History

S13	2	381/104-107.ccls. and (vGA or voltage adj3 gain adj3 amplifier) SAME loop	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/29 11:10
S14	4	381/104-107.ccls. and (vGA or variable adj3 gain adj3 amplifier) SAME loop	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/29 11:11
S15	3	381/104-107.ccls. and (vGA or variable adj3 gain adj3 amplifier) SAME feedforward	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/29 11:12
S16	0	700/94.ccls. and (vGA or variable adj3 gain adj3 amplifier) SAME feedforward	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/29 11:12
S17	0	381/61.ccls. and (vGA or variable adj3 gain adj3 amplifier) SAME feedforward	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/29 11:13
S18	0	381/104-107.ccls. and digital adj3 gain adj3 control SAME feedforward	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/29 11:13
S19	24	381/104-107.ccls. and digital adj3 gain adj3 control	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/29 11:21
S20	0	381/104-107.ccls. and digital adj3 gain SAME feedforward	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/29 11:21
S21	0	700/94.ccls. and digital adj3 gain SAME feedforward	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/29 12:50
S22	1	"20010031055"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/29 16:56
S23	6	"5706357"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/29 16:58
S24	8	"5822442"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/29 16:58
S25	8	"5822442"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/29 16:59
S26	253	"381"/\$.ccls. and modulat\$3 SAME two SAME channels	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/11/04 12:54
S27	34	"381"/\$.ccls. and modulat\$3 SAME two SAME channels SAME transmitter	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/11/04 14:06

## EAST Search History

S28	11	"381"/\$.ccls. and modulat\$3 WITH two WITH channels WITH transmitter	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/11/04 12:55
S29	292	"455"/\$.ccls. and modulat\$3 SAME two SAME channels SAME transmitter	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/11/04 14:07
S30	40	"455"/\$.ccls. and modulat\$3 WITH two WITH channels WITH transmitter	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/11/04 14:15
S31	0	"455"/\$.ccls. and modulat\$3 WITH two WITH channels WITH isolation adj3 combin\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/11/04 14:15
S32	1	"455"/\$.ccls. and modulat\$3 WITH isolation adj3 combin\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/11/04 14:16
S33	20	"455"/\$.ccls. and isolation adj3 combin\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/11/04 14:19
S34	6	"381"/\$.ccls. and isolation adj3 combin\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/11/04 14:20
S35	20	"375"/\$.ccls. and isolation adj3 combin\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/11/04 14:25
S36	17	"370"/\$.ccls. and isolation adj3 combin\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/11/04 14:28
S37	20	"455"/\$.ccls. and isolation adj3 combin\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/11/04 14:31
S38	6	"381"/\$.ccls. and isolation adj3 combin\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/11/04 15:01
S39	1	"20030210793"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/11/04 15:01
S40	2	"6718217"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/11/20 13:33
S41	967	381/1-16.ccls. and modulat\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/11/20 13:34
S42	741	381/1-16.ccls. and modulat\$3 SAME frequency	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/11/20 13:34

## EAST Search History

S43	296	381/1-16.ccls. and modulat\$3 SAME carrier adj3 frequency	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/11/20 13:34
S44	254	381/1-16.ccls. and modulat\$3 WITH carrier adj3 frequency	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/11/20 13:35
S45	240	381/1-16.ccls. and modulat\$3 WITH carrier adj3 frequency	USPAT; EPO; JPO	OR	OFF	2005/11/20 13:35
S46	233	381/1-16.ccls. and modulat\$3 WITH carrier adj3 frequency	USPAT	OR	OFF	2005/11/20 13:35
S47	1122	381/1-23.ccls. and modulat\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/11/26 15:14
S48	377	381/1-3.ccls. and modulat\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/11/26 15:14
S49	125	381/3.ccls. and modulat\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/11/26 15:14
S50	1	"4960018"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/02 13:12
S51	8	"5831880"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/02 13:13
S52	6	"5892834"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/02 13:14
S53	17	"5262974"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/02 13:31
S54	20	"4638965"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/02 13:31
S55	48	381/2-15.ccls. and isolation	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/23 15:32
S56	24	381/1.ccls. and isolation	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/23 15:32
S57	6	455/42.ccls. and isolation SAME modulat\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/23 15:38
S58	517	"455"/\$.ccls. and isolation SAME modulat\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/23 15:38

## EAST Search History

S59	216	"455"/\$.ccls. and isolation SAME modulat\$3 SAME transmitt\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/23 15:54
S60	39	"455"/\$.ccls. and isolation WITH modulat\$3 WITH transmitt\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/23 15:39
S61	1	"455"/\$.ccls. and isolation adj3 combin\$3 SAME modulat\$3 SAME transmitt\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/23 15:53
S62	151	"455"/\$.ccls. and isolation SAME combin\$3 SAME transmitt\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/23 15:55
S63	126	"455"/\$.ccls. and isolation SAME combin\$3 SAME transmitt\$3	USPAT	OR	OFF	2006/08/23 15:55
S64	7	381/2-15.ccls. and grier.xa.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/24 14:26
S65	0	381/2-15.ccls. and liam.in.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/24 14:26
S66	2	381/2-15.ccls. and lam.in.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/24 14:52
S67	237	381/2-15.ccls. and modulat\$3 SAME channels	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/24 14:53
S68	127	381/2-15.ccls. and modulat\$3 WITH channels	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/24 14:56
S69	269	381/2-15.ccls. and modulat\$3 SAME carrier adj3 frequency	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/24 14:57
S70	230	381/2-15.ccls. and modulat\$3 WITH carrier adj3 frequency	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/24 15:36
S71	38	381/16.ccls. and modulat\$3 WITH carrier adj3 frequency	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/24 15:36
S72	21	"4055807"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/24 16:00